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## CONSUMER AND MARKETING SERVICE MATION

MEMPHIS, TENNESSEE 38117



## United States Cotton Zuality Report For Ginnings Prior 70 September 1, 1971

Vol. 45, No. 1

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Upland cotton ginned in the United States prior to September 1 this season contained a record-low proportion of Middling and higher White grades, according to the Department of Agriculture, Consumer and Marketing Service. Twelve percent of this season's early ginnings was in these higher White grades. Cotton stapling shorter than one inch comprised the smallest proportion of ginnings through August 31 on record. The decrease in these shorter lengths was accompanied by rather substantial increases in the percentages of cotton stapling one inch and 1-1/32". Micronaire test results indicate that cotton in the 3.5-4.9 premium mike range accounted for 84 percent of this season's early ginnings, the same as a year ago. Fiber strength averaged 85,000 pounds per square inch compared with 87,000 pounds last season.

Middling and higher White grades accounted for 12 percent of upland ginnings prior to September 1. This is the smallest proportion of these grades in ginnings for any like period on record and compares with 14 percent last season. The White grades below Middling comprised 60 percent of total ginnings against 58 percent a year ago. The Light Spotted and other Colored grades were equivalent to 28 percent of ginnings through the end of August, the same percentage as a year ago. The grade index of upland cotton ginned prior to September 1 this season was 90.1 (Middling White=100), the lowest grade index for any comparable period on record.

Cotton stapling 31/32" and shorter comprised five percent of upland ginnings prior to September 1 this season, the smallest proportion on record. Thirty-seven percent of total ginnings through August 31 was in the two lengths one inch and 1-1/32" compared with 24 percent to the same date last season. The staples 1-1/16" and longer were equivalent to 58 percent of ginnings prior to September 1 against 66 percent a year ago. The average staple was 33.4 thirty-seconds inches, the same as a year earlier.

Cotton ginned prior to September 1 this season totaled 365,100 bales, according to the Bureau of the Census. This compares with 280,000 bales ginned to the same date last season. Ginnings through August 31 this season were equivalent to three percent of the indicated 1971 crop, the same percentage as a year earlier. Texas ginnings accounted for practically all of this season's early ginnings.

Table 1.	Specified	measures	of	quality	for	upland	ginnings	1/	
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Item	Augus	t 1-31	Season Augus		Supply to Se	eptember 1
F 7 3 1 1 1	1970	1971	1970	1971	1970	1971
Grade index (Mid. White=100)	91.6	88.0	91.6	90.1	93.3	94.1
Average staple, 32nd inch	33.4	33.5	33.4	33.4	34.0	34.1
Rough preparation, percent	0.1	*	0.1	*	- 2-	-
Tenderable, percent 2/	61.6	48.2	61.9	57.2	-	-
Average mike reading	4.5	4.5	4.5	4.6	-	-
Average fiber strength (Mpsi)	87.2	84.8	87.2	85.0		-

Data for current season are preliminary.

Tenderable for grade and staple in settlement of futures contracts.

Less than 0.05 percent.

Table 2. Upland cotton in the United States, ginnings and supply, by grade 1/

Code	1970	1971	1970	1971	1970	1971 1970	1 1	1971	1970	1 1	1970	1971	1971 from	rom 1970
4 72	Bales	Bales	Pet.	Pet.	Bales	Bales	Pet.	Pet.	l,000	1,000 bales	Pet.	Pet.	bales bales	Pet
G.M. (11)	23		*	t i	23	20 NO.	*	204	1	T ton			0	
	765	154	0.3	0.1	1,006	753	4.0	0.2	105	87	1.8	1.9	-18	-17.1
	-	· vi	1	1	1	leg sat and	1	93	23	32	6.0	0.7	-21	-39.6
(31)	36,188	19,020	13.2	7.8	37,116	43,982	13.3	12.0	1,111	880	18.8	19.3	-231	-20.8
S.L.M.+ (40)	1,698	1,050	9.0	4.0	1,720	2,287	9.0	9.0	363	385	6.1	8.5	+52	+6.1
	103,324	70,110	37.8	28.8	106,080	136,993	37.7	37.6	1,723	1,215	29.0	56.6	-208	-29.5
L.M.+ (50)	4,492	1,410	1.6	9.0	4,492	3,034	1.6	0.8	229	218	3.9	4.8	-11	-4.8
_	44,700	50,401	16.3	20.8	45,282	58,329	16.2	16.0	472	292	8.0	4.9	-180	-38.1
_	224	216	0.1	0.1	224	216	0.1	0.1	16	8	0.3	0.2	Φ-	-50.0
	4,202	14,726	1.5	6.1	4,202	14,803	1.5	4.1	65	26	1.1	1.2	6-	-13.8
G.0.+ (70)	1	- 05	S. C.	ı	•	10 10 10	1	P	1		*	*	-1	-100.0
(17)	153	2,161	0.1	6.0	153	2,161	0.1	9.0	6	വ	0.2	0.1	4-	-44.4
Light Spotted														
G.M. (12)	-	-		1		-	ı	1	:	**			0	
	133	31	*	*	155	128	0.1	*	99	92	1.1	1.7	+10	+15.2
	21,225	8,265	7.8	3.4	21,569	16,193	7.7	4.4	597	909	10.1	13.4	+11	+1.8
S.L.M. (42)	37,597	35,864	13.7	14.8	38,372	45,628	13.7	12.5	697	421	11.8	6.3	-276	-39.6
	15,101	26,129	5.5	10.8	15,364	26,593	5.5	7.3	172	98	5.9	1.9	-86	-50.0
G.M. (13)	1	1		1	al.	1 50 V	1	-		*	9	of	0	
	88	21	*	*	88	21	*		0	22	0.2	0.5	+13	+144.4
(33)	390	134	0.1	0.1	412	308	0.1	0.1	36	63	9.0	1.4	+27	+75.0
S.L.M. (43)	1,530	1,194	9.0	0.5	1,574	1,368	9.0	4.0	76	35	1,3	0.8	-41	-53.9
L.M. (53)	096	3,108	0.4	1.3	985	3,224	4.0	6.0	26	14	4.0	0.3	-15	-46.2
Tinged 2/ (14-54)	12	72		*	12	72		*	38	14	0.0	0.3	-24	-63.2
Stained 2/ (15-35)		ură pr	ba	38-38	The state of		1	7	S	1 1	0.1	St	4-	-80.0
Light Grav														
G.M. (16)	1	1		I I	1	1	1	-		100	70	i di		
	1		-		-	19	1	*	1	1			0	
	212	926	0.1	4.0	212	1,371	0.1	4.0	15	12	0.3	0.3	ကို	-20.0
S.L.M. (46)	246	1,863	0.1	0.8	246	1,863	0.1	0.5	1	e		0.1	+5	+200.0
G.M. (17)	-	1		-	-	1	1		15/	HO E	-	-	9	
(27)		1		00	-	1	1	-	- "	-	30 0		30	
(37)	12	113	•	*	12	113		*	**	*		*	0	
S.L.M. (47)	.12	144		0.1	12	144			:			. 19	0	
Below Grade 3/	263	5,413	0.2	2.2	563	5,452	0.2	1.5	28	14	0.5	0.3	-14	-50.0
	273 RSO	242.525	100.0	100.0	279.871	365.055	100.0	100.0	7 017	7 540	0 001	0001	220 1	(

Includes all grades. Bales that are lower in grade than the lowest official standard for the corresponding color group. Less than 0.05 percent. \*\* Less than 500 bales.

Table 3. Upland cotton in the United States, ginnings and supply, by staple 1/

Staple Code		August 1-31	31		Seaso	Season through August 31	August 3	1	Sup	Supply to September	ptember	1	Change in Supply	Supply
(32nd inches)	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971	1970	1971	1971 from 1970	n 1970
									1,000	1,000			1,000	
	Bales	Bales	Pet.	Pct.	Bales	Bales	Pet.	Pet.	bales	bales	Pct.	Pot.	bales	Pct.
26 and shorter					-			1	2	*	*		-2	-100.0
28	1,206	134	0.4	0.1	1,206	134	4.0		16	6	0.3	0.2	-7	-43.8
29	6,853	1,544	2.5	9.0	6,853	1,640	2.4	4.0	51	37	6.0	0.8	-14	-27.5
30	13,431	6,844	4.9	2.8	13,481	7,869	4.8	2.2	169	171	5.9	3.8	+5	+1.2
31	6,026	0000,9	2.2	2.5	6,041	8,975	2.2	2.5	119	89	2.0	2.0	-30	-25.2
32	12,149	9,499	4.4	3.9	12,452	30,440	4.4	8.3	569	203	4.5	4.5	99-	-24.5
33	53,148	48,352	19.4	19.9	54,273	105,802	19.4	29.0	799	459	13.5	4.6	-370	-46.3
34	169,829	165,523	62.1	68,3	173,435	204,812	62.1	56.1	2,511	1,671	45.4	36.7	-840	-33.5
35	10,386	4,557	3.8	1.9	11,308	5,311	4.0	1.5	1,415	1,507	23.9	33.1	+92	+6.5
36	161	72	0.1		161	72	0.1		359	306	6.1	6.7	-53	-14.8
37	1						1	1	172	104	5.9	2.3	-68	-39.5
38	307		0.1		307		0.1		53	17	0.5	0.4	-12	-41.4
39	-	•						1	*	7			+1	+100.0
40 and longer	354	- /6/10/10	0.1	1	354	-	0.1	100	4	Ŋ	0.1	0.1	+1	+25.0
All staples	273,850	242,525	100.0	100.0	279,871	365,055	100.0	100.0	5,915	4,549	100.0	100.0	-1,366	-23.1
				,										

Data for current season are preliminary.

Less than 0.05 percent.

Less than 500 bales.

Percentage of ginnings reduced in grade, by specified causes, prior to September 1, 1971 with 1970 comparisons, by states 1/ Table 4.

				diane reductions	AC UTOILS			
State	Grass	155	Bark	,k	Other causes	auses	Total re	Total reductions
	1970	1971	1970	1971	1970	1971	1970	1971
	Pct.	Pct.	Pet.	Pct.	Pct.	Pet.	Pct.	Pet.
Alabama	3.7	1				1	3.7	
Texas	4.5	6.4	4.1	0.5			5.9	6.9
United States	4.5	6.4	1.4	0.5			0.0	6.9

Data for current season are preliminary. -1-

Less than 0.05 percent.

Percentage distribution of the grade of upland cotton ginned prior to September 1, 1971 with 1970 comparisons, by states 1/ Table 5.

	20	1971		ı			1	,	1	90.1		94.5	90.1
	Grade	1970		97.1	95.0	97.5	94.4	94.3	92.6	91.6	97.8	01	91.6
			Pct.	1	1	1		1	1	1.5	1		1.5
	Below	1970 1971	Pct. P	1			1	1	1	0.2			0.2
	ed		Pct.	1	1	21	71	1	9	2.3			2,3
	Other	1970 1971	Pct.	1	1	•	ı	1	1	1.3	1		1.3
	2)	1970 1971	Pct.	1	1	ï	1	1	1	7.3			7.3
	LM (52)	1970	Pet.	1	1.	1	3.5	1	1	5.5	1	21	5.5
t,	M 2)	1971	Pet.	1	1			100	9	12.5	1		13.7 12.5
Spotte	SLM (42)	1970	Pet.	10.1	15.1	1.	20.9	32.5	9.4	13.7	ı	-	
Light Spotted	M (32)	1970 1971	Pct.	ī	1	1	1	t	i	4.4	1	0.9	4.4
H	N (E)	1970	Pct.	1	9.5	16.7	7.0		P.	7.7	5.7	dings.	7.7
	SM (22)	1970 1971	Pct.	1	1	1	1	1	1	*	1	-	*
	% H		Pet.	1	'	'	1	'	1	0.1	1	10	0.1
	3GO+ (60) lower	1970 1971	. Pet.	1	1	10,		1	-	7 4.8	'		7 4.8
	o₁	_	. Pet.	1	ľ	ľ	1		1	0 1.7	,	7	0 1.7
	LM (51)	1970 1971	t. Pet.	1		'	3.5	,		16.3 16.0		- 14.7	16.2 16.0
		1	Pet.				m	L   100	B			TLUB	
	[50)	1970 1971	Pet. Pet.					1	,	1.6 0.8		to di	1.6 0.8
		1		1	ı	,	1		1			٠,	V =
	SLM (41)	1970 1971	Pct. Pct.	30.0	51.3	33.3	32.1	35.0	26.7	37.9 37.6	39.6	- 54.1	7.7 37
White		-	Pct. Pc	9	5	'n	9	ň	١ ك	0.6 3	90	g.	9.6 3
	SLM+ (40)	1970 1971	Pct. Pc	1	-	1	1	,	1	0.6		-	0.6 0.6 37.7 37.6
		1971	Pct. F	1			1	1.	L			30,3	
	(31)	1970 1	Pct. P	59.9	24.4	50.0	31.5	32.5	33.9	13.0 12.0	47.2	1	13.3 12.0
		1	Pet.			1	1	1		1		100	4
	(30)	1970 1971	Pet.	- 80	1	1	1	1	ì	1		7.00	2.
	) ) her	1971	Pet.	7	1,	-	1	ı	ı	0.2			0.4 0.2
	SM (21) & higher	1970 1971	Pct.	B 5	1		1,5	1	ı	4.0	7.5	-1	0.4
	State			c.		in.	b.	Miss.	1	ж.	Ariz.	Other	83
	St			S.C.	Ga.	Fla.	Ala.	Mi	La.	Tex.	Ar	oti	U.S.

Data for current season are preliminary. Middling White equals 100. Less than 0.05 percent. ם אונים יים

Percentage distribution of the staple of upland cotton ginned prior to September 1, 1971 with 1970 comparisons, and total ginnings, by states 1/ Table 6.

S. Lay	Innings	1971	Bales	100	199	2	1		7	364,946		109	365,055	
По+оЛ	upland ginnings	1970	Bales	476	290	120	805	120	330	775,773	53		279,871	
080	77	1971	1000	219		-,	,	-	8,	33.4		33.9	33.4	
Aurona	staple 2	1970		34.8	33.5	33.5	33.8	34.0	34.0	33.4	34.0	8	33.4 33.4	
	r id	1971	Pet.		•	1	•	-1	1				r	
T.	38 and longer	1970	Pet.		V	1	9.2			0.5			0.2	-
	1 10	1971	Pot.		-	ı	1	-				1	1	
	37	1970	Pct.	1	7.3					i.	1	2,	1.	
		1971	Pct.		- 5-	1		1		1	,		*	
	36	1970	Pct.		1	ī				0.1	,	1	0.1	7
		1971	Pct.		3 12			1		1.5	1	17.4	1.5	
	35	1970	Pct.	0.08	5 10	1	7.6	32.5	15.2	3.9	5.7	1	4.0	
		1971		-	E L	-		1	1	56.1		59.7	56.1	
ches)	34	1970	Pct.	20.02	48.8	9.99	8.89	35.0	74.5	6.19	90.5	1	62.1	
32nd inches		1971	Pct.	1			5.	ı		29.0	1	22.9	29.0	
	8	1970	Pct.	,	51.2	16.7	23.0	32.5	10.3	19.4	3,8	1		
Staple Code		1971	Pct.	,	1		1	1	,	8.3	,	-	8.3 19.4	100
Sta	32	1970	Pet. I	,	8,0	16.7	9.0	1		4.5	,		4.4	
		1971	Pct. 1		5.6	-		Ľ	i	2.5	ı	1	2.5	
	31	1970	Pct. 1	,		-	e -			2.2	1	1	2.2	
		1971	Pct.	,	3.5	-	0.0	ı		2.2	ı		2.2	lary.
	30	1970	Pct.	1	,			1			1	1	4.8	elimir
		1971	Pct. I	-	SHI	1	8		,	0.4 4.9	j	1	0.4	are pr
	58	1970	Pct. H	1	4	i				2.5			2.4	eason
	Fi	1	Pct. F		1			ı		*		1	*	rent s
	28 and shorter	1970 1971	Pct. P	1	ī	1	1	1		0.4	1	-	0.4	or cur
	State	1	ы	S.C.	Ga.	Fla.	Ala.	Miss.	La.	Tex.	Ariz.	Other	U.S.	/ Data for current season are preliminary
1	6.3		1	S	0	14	A	E	Ä	H	A	0	D	11

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Expressed in thirty-seconds of an inch, Less than 0.05 percent.

Table 7. Percentage distribution of micronaire readings for upland ginnings prior to September 1, 1971 with 1970 comparisons, by states 1/

1	a ge	1971	Rdg.	ı	-1					4.6		4.3	4.6
	Average	1970	Rdg.	4.5	4.5	4.6	4.7	4.7	4.6	4.5	4.4	1	4.5
	5.0 and above	1970 1971	Pot.	1	1	1		1		14.8	1	- 1	14.8
	5.0 ab	1970	Pct.	10.1	16.6	16.7	17.5	32.5	10.0	83.6 13.7 14.8	4	1	83.6 13.7 14.8
Totals	4.9	1971	Pct.	1	1	-1	1	1	1	83.6	1	100.0	83.6
Tot	3.5-4.9	1970	Pot.	89.9	74.2	83.3	82.5	67.5	0.06	84.2	100.0	1	84.2
	NOW	1971	Pot.			1			ì	1.6	1	1	1.6
	Below 3.5	1970 1971	Pet.	1	9.5	1	- 1		1	2.1	- 1	1	2.1
5,3	and	1970 1971	Pct.	i	1	1	1		1	2.2	-1		2.2
12	abc		Pet.	1	7.6	- 1	3,5		0.3	2.8	-1		2.8
	5.0-5.2	170 0701	Pet.	1	1	ı	1.	1	1	28.2 43.0 49.8 10.9 12.6	1	ı	28.2 43.1 49.8 10.9 12.6
L	5.0	1970	Pet.	10.1	0.6	16.7	14.0	32.5	7.6	10.9	1	1	10.9
	4.5-4.9	172   1970   1971	Pet.	- 1	. 10	0	10	10	-	49.8	1	24.8	49.8
-	4	1 1970	Pet.	49.7	25.6	49.9	64.5	32,5	57.0	43.0	13.2		43.1
	4.0-4.4	197	Pet.	1	,	'	'	1	1		1	68.8	
	4.0	0761 1761 0761 1761 0761	Pet.	40.2	48.6	33.4	18.0	35.0	33.0	5.6 31.6	86.8	1	5.6 31.7
	3.5-3.9	1971	Pet.	1	1	1	1	1	1		1,	4.9	- 1
-		1 1970	Pot.	1	1	1	'	1	1	9.6	1 ,	ĺ	7 9.4
	3.3-3.4	761 0	Pct.		2	1	'	1	1.2	1 0.7	,	1	1.1 0.7
-		1 197	· Pet.	•	9.5	1	'	'	1	7 1.1	1	1	7 1.
	3.0-3.2	70 197	Pot.	'		1				8 0.7			0.8 0.7
-	-	71 197	Fet.	1	,		1	,	,	0.2 0.8			
	2.7-2.9	70 19	t. Pet	,					,	0.2 0	,	1	0.2 0.2
-		71 19	Pct. Pct. Pct.						1	0	1		*
2.6	and below	1761 0761 1761 0761 1761 0761	Pet. Pc	1			1	1	1		1	1	*
	1	119	Pc					*			• N		
	State			S. C.	Ga.	Fla.	Ala.	Miss.	La.	Tex.	Ariz.	Other	U. S.

U. S. \* \* 0.2 0.2 0.8 0.7 1.1 0.7 1. Data for current season are preliminary. \* Less than 0.05 percent.

Table 8. Percentage distribution of fiber strength for upland cotton ginnings, prior to September 1, 1971 with 1970 comparisons, by states  $\underline{1}/$ 

Average	strength	1971	Mpsi	85.0	85.0
Ave	str	170 1970	Mpsi	87.2	87.2
	100 & above	1971	Pet.	0.3 0.3 87.2 85.0	0.3 0.3 87.2 85.0
	100 &	1970	Pct.	0.3	0.3
	95-99	1971	Pet.	2.4	2.4
	95-	1970	Pet.	7.0	7.0
	94	1761 0761 1761 0761 1761 0761 1761 0761 1761 0761	Pet.	26.2 14.9 7.0 2.4	21.6 37.0 38.3 33.8 26.2 14.9 7.0 2.4
	90-94	1970	Pet.	26.2	26.2
	89	1971	Pot.	33.8	33.8
(Mpsi)	85-89	1970	Pet.	38.3	38.3
Fiber Strength (Mpsi	84	1971	Pet.	21.6 37.0 38.3 33.8	37.0
iber St	80-84	1970	Pet.	21.6	21.6
	75-79	1971	Pct.	11.3	11.3
Zero Gage	75-	1970	Pet.	0.7 0.3 5.9 11.3	0.7 0.3 5.9 11.3
	.74	1971	Pet.	0.3	0.3
	70-74	1970	Pet.	0.7	0.7
	69-	1971	Pet.		-
	69-59	1970	Pet.	1	'
	64 & below	1761 0761 1761 0761 1761 0761 1761 0761	Pet. Pet.	•	-
	64 &	1970	Pet.	1	1
	State			Tex.	u. S.

1/ Data for current season are preliminary.

28.0 - Ce\*2 - N\*O - 12.0 - - - - 28.2 - 12.2